

Title (en)

METHOD FOR THE EXTRACTIVE FUNCTIONALIZING OF ORGANIC COMPOUNDS

Title (de)

VERFAHREN ZUR EXTRAKTIVEN FUNKTIONALISIERUNG ORGANISCHER VERBINDUNGEN

Title (fr)

PROCEDE DE FONCTIONNALISATION EXTRACTIVE DE COMPOSES ORGANIQUES

Publication

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Application

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Priority

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- FR 0851610 A 20080312

Abstract (en)

[origin: WO2009122031A1] A method for extracting, functionalizing, and volatilizing non-volatile organic molecules present in a solid medium, and which includes the following steps: (a) taking a solid soil sample; (b) placing the sample under a pressure Pd of 0.1 to 200 kPa; (c) raising the temperature of the sample in less than 30 seconds from ambient temperature to a temperature Td of 250°C to 600°C; (d) keeping the sample at the temperature Td during a duration Dd of less than 15 minutes; (e) reducing the temperature of the sample in less than 30 seconds from the temperature Td to the temperature Tf of 50°C to 100°C; (f) adding at least one functionalizing agent and at least one solvent to the sample, and keeping the mixture at the temperature Tf for a duration Dd of less than one hour; and (g) heating the sample to a temperature Tv of 140°C to 300°C for a duration Dv of less than one hour.

IPC 8 full level

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